

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 77056-359		SERIAL NO.	
INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)				APPLICANT Jace N. Green et al.		GROUP ART UNIT	
				FILING DATE			

36997 U.S. PTO  
 09/9/1990  
 07/23/2015

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SD		Re 30,254	04/08/80	Rasmussen			
		Re 31,129	01/18/83	Rasmussen			
		1,764,789	06/17/30	Heald			
		1,937,342	11/28/33	Higbie			
		2,020,639	11/12/35	Grayson et al.			
		2,029,675	02/04/36	Schlamp			
		2,110,145	03/08/38	Loehr			
		2,140,049	12/13/38	Grael			
		2,201,356	05/21/40	Terrell			
		2,267,869	12/30/41	Loehr			
		2,571,372	10/16/51	Martin			
		2,577,227	12/04/51	Brent			
		2,714,413	08/02/55	Hunter et al.			
		2,822,840	02/11/58	Reynolds et al			
		2,856,324	10/14/58	Janowski			
		2,865,446	12/23/58	Cole			
		2,914,122	11/24/59	Pinto			
		2,994,370	08/01/61	Pinto			
		3,007,698	11/07/61	MacDonald et al.			
		3,025,964	03/20/62	Sommers et al.			
		3,032,099	05/01/62	Croxen			
		3,074,839	01/22/63	May et al.			
		3,077,223	02/12/63	Hartsell et al.			
		3,082,141	03/19/63	Steele et al.			
		3,164,507	01/05/65	Masuda			
	3,165,820	01/19/65	Fromson				
	3,189,501	06/15/65	White				

EXAMINER Singer	DATE CONSIDERED 2/17/04
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30		3,378,429	04/16/68	Obeda			
		3,384,519	05/21/68	Froget			
		3,384,527	05/21/68	Fener			
		3,428,515	02/18/69	Lorentzen			
		3,457,132	07/22/69	Tuma et al.			
		3,493,450	02/03/70	Judge Jr.			
		3,657,033	04/18/72	Sager			
		3,660,195	05/02/72	Hoyt			
		3,661,665	05/09/72	Froget			
		3,682,752	08/08/72	Hunter et al.			
		3,701,376	10/31/72	Froget			
		3,713,954	01/30/73	Clark et al.			
		3,851,699	12/03/74	Shapiro			
		3,939,033	02/17/76	Grgach et al.			
		3,946,789	03/30/76	Ronkholz-Tolle			
		3,963,549	06/15/76	Rasmussen			
		4,019,554	04/26/77	Rasmussen			
		4,039,019	08/02/77	Hopper			
		4,097,327	06/27/78	Calemard			
		4,117,180	09/26/78	DeWoskin			
	4,137,111	01/30/79	Hansen				
	4,157,719	06/12/79	DeWoskin				
	4,177,100	12/04/79	Pennington				
	4,194,550	03/25/80	Hopper				
	4,224,091	09/23/80	Sager				
	4,256,526	03/17/81	McDaniel				
✓		4,259,399	03/31/81	Hill			
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<i>SD</i>		4,288,485	09/08/81	Suominen			
		4,311,540	01/19/82	Hill			
		4,333,791	06/08/82	Onishi			
		4,344,474	08/17/82	Berman			
		4,346,132	08/24/82	Cheng et al.			
		4,377,431	03/22/83	Chodosh			
		4,386,454	06/07/83	Hopper			
		4,394,208	07/19/83	Wang et al.			
		4,400,227	08/23/83	Riemersma			
		4,404,052	09/13/83	Persson et al.			
		4,406,720	09/27/83	Wang et al.			
		4,414,045	11/08/83	Wang et al.			
		4,450,027	05/22/84	Colson			
		4,478,659	10/23/84	Hall			
		4,491,491	01/01/85	Stumpf			
		4,496,407	01/29/85	Lowery, Sr. et al.			
		4,500,380	02/19/85	Bova			
		4,534,819	08/13/85	Payer et al.			
		4,535,828	08/20/85	Brockhaus			
		4,560,427	12/24/85	Flood			
		4,603,072	07/29/86	Colson			
		B1 4,603,072	07/09/91	Colson			
		4,605,454	08/12/86	Sayovitz et al.			
		4,610,750	09/09/86	Mango			
		4,631,108	12/23/86	Colson			
	4,631,217	12/23/86	Anderson				
	4,659,614	04/21/87	Vitale				
		4,673,600	06/16/87	Anderson			
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EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
SD		4,676,855	06/30/87	Anderson			
		4,677,012	06/30/87	Anderson			
		4,677,013	06/30/87	Anderson			
		4,685,986	08/11/87	Anderson			
		4,686,136	08/11/87	Homonoff et al.			
		4,693,771	09/15/87	Payet et al.			
		4,711,693	12/08/87	Holze, Jr.			
		4,713,132	12/15/87	Abel et al.			
		4,732,630	03/22/88	Schnebly			
		4,758,293	07/19/88	Samida			
		4,767,492	08/30/88	Fukusima et al.			
		4,784,892	11/15/88	Storey et al.			
		4,795,515	01/03/89	Kao et al.			
		4,798,639	01/17/89	Yamaguchi			
		4,849,039	07/18/89	Colson et al.			
		4,884,612	12/05/89	Schnebly et al.			
		4,885,190	12/05/89	Schnebly			
		4,895,611	01/23/90	Bryniarski et al.			
		4,928,369	05/29/90	Schnebly et al.			
		4,938,817	07/03/90	Langley			
	4,948,445	08/14/90	Hees				
	4,984,617	01/15/91	Corey				
	5,043,038	08/27/91	Colson				
	5,061,331	10/29/91	Gute				
	5,078,195	01/07/92	Schon				
	5,087,320	02/11/92	Neuwirth				
	5,104,469	04/14/97	Colson				
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SO		5,106,444	04/21/92	Corey et al.			
		5,120,376	06/09/92	Hong			
		5,151,151	09/29/92	Kao et al.			
		5,158,632	10/27/92	Colson et al.			
		5,167,740	12/01/92	Michaelis et al.			
		5,188,160	02/23/93	Jelic			
		5,205,334	04/27/93	Judkins			
		5,205,891	04/27/93	Neff			
		5,228,936	07/20/93	Goodhue			
		5,232,529	08/03/93	Miyake			
		5,287,908	02/22/94	Hoffmann et al.			
		5,308,435	05/03/94	Ruggles et al.			
		5,313,998	05/24/94	Colson et al.			
		5,313,999	05/24/94	Colson et al.			
		5,320,154	06/14/94	Colson et al.			
		5,339,882	08/23/94	Judkins			
		5,339,883	08/23/94	Colson et al.			
		5,392,832	02/28/95	Colson et al.			
		5,394,922	03/07/95	Colson et al.			
		5,419,385	05/30/95	Vogel et al.			
		5,441,592	08/15/95	Ruggles et al.			
		5,454,414	10/03/95	Colson et al.			
		5,456,304	10/10/95	Colson et al.			
		5,482,750	01/09/96	Colson et al.			
		5,490,553	02/13/96	Colson et al.			
		5,558,925	09/24/96	Fritzman			
		5,603,369	02/18/97	Colson et al.			
		5,620,035	04/15/97	Judkins			
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REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
40	249,985	03/05/64	Australia				
	129,793	11/03/48	Australia				
	737,901	07/05/66	Canada				
	494,338	09/15/70	Switzerland				
	476,482	09/30/69	Switzerland				
	423,207	04/29/67	Switzerland				
	331,432	09/15/58	Switzerland				
	54-101878	10/08/79	Japan				
	122,088	04/27/00	Germany				
	382,758	10/05/23	Germany			X	
	684,202	11/24/39	Germany				
	12 41 361	05/24/67	Germany				
	19 65 360	12/29/69	Germany				
	19 42 674	03/05/70	Germany				
	16 83 194	01/14/71	Germany				
	27 35 654	02/01/79	Germany				
	28 40 023	03/27/80	Germany				
	29 23 233	12/11/80	Germany				
	29 36 811	04/02/81	Germany				
	35 25 515	01/29/87	Germany				
89 06 284	09/21/89	Germany					
029 442 B1	11/14/84	Europe					
379 242 A1	01/10/89	Europe					
305 092 A2	08/28/78	Europe					
482 793 B1	12/15/93	Europe					
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							YES	NO
		549,216 B1	03/05/84	Europe				
		566,355 A1	04/13/93	Europe				
		654 577 A1	10/15/94	Europe				
		742 339 A2	11/13/96	Europe				
		1,166,398	11/05/58	France				
		1,309,194	10/08/62	France				
		1,364,674	10/23/64	France				
		1,373,515	01/08/65	France				
		1,381,472	03/19/65	France				
		1,465,261	11/28/66	France				
		1,480,262	04/03/67	France				
		1,521,488	03/11/68	France			X	
		1,526,507	04/16/68	France				
		1,568,745	04/21/69	France				
		1,585,159	01/09/70	France				
		2,398,170	07/29/77	France				
		7,805,464	05/19/78	Netherland				
		6,706,563	11/11/68	Netherland				
		1368189 A	01/23/88	Soviet Union				
		951,484	03/04/64	United Kingdom				
		988,064	04/0765	United Kingdom				
		1,228,677	04/15/71	United Kingdom				
		1,036,126	07/13/66	United Kingdom				
		1,116,934	06/12/66	United Kingdom				
		1,308,296	02/28/73	United Kingdom				

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